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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/028,277	
			Filing Date	December 19, 2001	
			First Named Inventor	Chan-Ling Shieh	
			Group Art Unit	1641	
			Examiner Name	To Be Assigned	
Sheet	1	of	8	Attorney Docket Number	A-70197-1/RMS/AXG/JML

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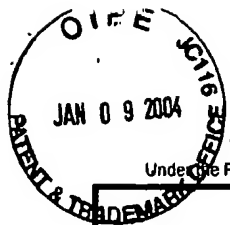
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
u	A1	4,415,732	11-15-1983	Caruthers et al.	
	A2	4,683,195	07-28-1987	Mullis et al.	
	A3	4,713,347	12-15-1987	Mitchell et al.	
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	A5	4,840,893	06-20-1989	Hill et al.	
	A6	4,920,047	04-24-1990	Giaever et al.	
	A7	5,015,569	05-14-1991	Pontius	
	A8	5,064,618	11-12-1991	Baker et al.	
	A9	5,066,372	11-19-1991	Weetall	
	A10	5,071,531	12-10-1991	Soane	
	A11	5,126,022	06-30-1992	Soane et al.	
	A12	5,130,238	07-14-1992	Malek et al.	
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	A14 *	5,147,607	09-15-1992	Mochida	
	A15	5,192,507	03-09-1993	Taylor et al.	
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	A22	5,505,321	04-09-1996	Caron et al.	
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	A24	5,552,270	09-03-1996	Khrapko et al.	
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u	A26 *	5,585,069	12-17-1996	Zanzucchi et al.	
Examiner Signature	C. Chin		Date Considered	12/8/04	

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u	A27	5,587,128	12-24-1996	Wilding et al.	
	A28	5,591,578	01-07-1997	Meade et al.	
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u	A52	5,755,942	05-26-1998	Zanzucchi et al.	

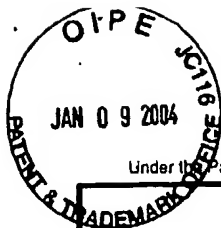
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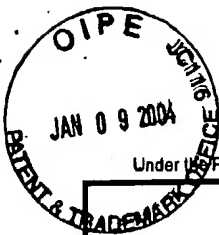
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		Group Art Unit	1641		
		Examiner Name	To Be Assigned		
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u	A53	5,756,050	05-26-1998	Ershow et al.	
	A54 *	5,759,866	06-02-1998	Machida et al.	
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	A62	5,863,502	01-26-1999	Southgate et al.	
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u	A79	6,150,180	11-21-2000	Parce et al.	
Examiner Signature	C. Chui		Date Considered	12/8/04	

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u	A80	6,177,250 B1	01-23-2001	Meade et al.	
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	A94	6,265,155 B1	07-24-2001	Meade et al.	
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	A100	6,300,141 B1	10-09-2001	Segal et al.	
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u	A105	6,368,871 B1	04-09-2002	Christel et al.	
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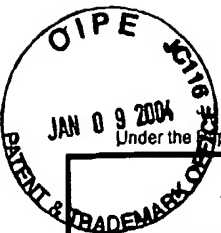
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u	A107	6,472,148 B1	10-29-2002	Bamdad et al.	/
	A108	6,479,240 B1	11-12-2002	Kayyem et al.	
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u	B1	EP 0 478 319 B1	04-02-1997	Toshiba	/	
	B2 *	EP 0 527 905 B1	08-05-1991	Ekström et al.		
	B3	EP 0 637 996 B1	07-23-1997	The Trustees of the University of Pennsylvania		
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	B5 *	EP 0 969 083 A1	01-05-2000	Olympus Optical Co. Ltd.		
	B6	EP 1 183 102 B1	03-06-2002	Clinical Micro Sensors		
	B7	WO 00/62931 A1	10-26-2000	Clinical Micro Sensors		
✓	B8	WO 01/06016 A2, A3	01-25-2001	Clinical Micro Sensors		
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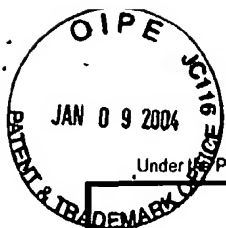
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a	B10	WO 01/54813 A2, A3	08-02-2001	Clinical Micro Sensors		
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	B14	WO 96/15450 A1	12-17-1996	David Samoff Research Center		
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	B25	WO 98/04740 A1	02-05-1998	Northwestern University		
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	B30 *	WO 98/43739	03-24-1998	Buechler		
	B31 *	WO 98/49344 A1	11-05-1998	Lockheed Martin Energy Research Corp		
	B32	WO 98/51823 A1	11-19-1998	Mosaic Technologies		
	B33	WO 99/29711 A1	06-17-1999	Nanogen Inc		
	B34	WO 99/33559 A1	07-08-1999	Cepheid		
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a	B36	WO 99/67425 A2, A3	12-29-1999	Clinical Micro Sensors		
	B37					
	B38					
	B39					

Examiner Signature	C. Chin	Date Considered	12/8/04
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/028,277		
		Filing Date	December 19, 2001		
		First Named Inventor	Chan-Ling Shieh		
		Group Art Unit	1641		
		Examiner Name	To Be Assigned		
Sheet	7	of	8	Attorney Docket Number	A-70197-1/RMS/AXG/JML

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	†
u	C1 *	BECKER, H., et al., "Microfluidic manifolds by polymer hot embossing for $\mu$ -TAS applications", <i>Micro-TAS'98, Banff</i> , 1998, pp. 253-256.	
	C2 /	CANTOR, C.R. et al., "Report on the Sequencing by Hybridization Workshop," <i>Genomics</i> , 1992, 13:1378-1383.	
	C3 *	CHANG, "Immobilized enzymes and their biomedical applications", <i>In Immobilized Enzymes, Antigens, Antibodies, and Peptides</i> (Ed. Weetall), New York, Marcel Dekker, Inc., 1975, pp. 245-292.	
	C4 /	Commerce Business Daily Issue, September 26, 1996, PSA#1688.	
	C5 /	DONTHA et al., "Generation of Biotin/Avidin/Enzyme Nanostructures with Maskless Photolithography," <i>Anal. Chem.</i> , 1997, 69:2619-2625.	
	C6 /	DROBYSHEV, A. et al., "Sequence Analysis by Hybridization with Oligonucleotide Microchip: Identification of $\beta$ -thalassemia Mutations," <i>Gene</i> , 1997, 188:45-52.	
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	C11	HEGNER, et al., "Immobilizing DNA on gold via thiol modification for atomic force microscopy Imaging in buffer solutions," <i>FEBS</i> , 1993, 336(3):452-456.	
	C12 /	LEE et al., "Direct Measurement of the Forces Between Complementary Strands of DNA," <i>Science</i> , 1994, 266:771-773.	
	C13 *	LEE, L.P., et al., "Key elements of a transparent teflon® microfluidic system", <i>Micro-TAS '98, Banff</i> , 1998, pp. 245-248.	
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	C16 /	MASKOS et al., "Oligonucleotide Hybridizations on glass supports: a novel linker for oligonucleotide synthesis and Hybridization properties of oligonucleotides synthesized <i>in situ</i> ," <i>Nucleic Acids Research</i> , 1992, 20(7):1679-1684.	
	C17 *	MCCORMICK, R.M., et al., "Microchannel electrophoretic separations of DNA in injection-molded plastic substrates", <i>Anal. Chem.</i> , 1997, 69:2626-2630.	
	C18	MIRKIN et al., "A DNA-based Method for Rationally Assembling Nonoparticles into Macroscopic Materials," <i>Nature</i> , 1996, 382:607-609.	
	C19 /	MIRZABEKOV, A. et al., "DNA Sequencing by Hybridization - a Megasequencing Method and a Diagnostic Tool," <i>Tibtech</i> , 1994, 12:27-32.	
✓	C20 /	MRKSICH et al., "Enhanced Sequence specific recognition in the minor groove of DNA by covalent peptide Dimers: Bis(pyridine-2-carboxamidonetropsin)(CH <sub>2</sub> ) 3-6," <i>J. Am. Chem. Soc.</i> , 1993, 115:9892-9899.	
u	C21 *	O'DONNELL-MALONEY et al., "The development of microfabricated arrays for DNA sequencing and analysis," <i>Trends in Biotechnology</i> , 1996, 14(10): 401-407.	


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				Application Number	10/028,277
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Sheet	8	of	8		

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